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RESPONSE under 37 C.F.R. § 1.111  
U.S. Appl. No. 10/756,098**REMARKS:**

Claims 1-5, 7-19 and 21-28 are all the claims pending in the present application and only claim 7 is amended above. Claim 7 is objected to, claims 21-28 are allowed and claims 1-5 and 8-19 stand rejected. Reconsideration and allowance of all pending claims are respectfully requested in view of the remarks that follow.

**OBJECTIONS.**

The Office Action's objections to claim 7 is believed to be overcome by the foregoing amendment. Reconsideration of this objection is respectfully requested.

**CLAIM REJECTIONS.**

Claims 1-5 and 8-19 are rejected under 35 U.S.C. § 102(e) as being anticipated by U.S. Patent 6,690,327 to McKinzie III et al. (hereinafter McKinzie '327) or in the alternative under 35 U.S.C. § 103(a) as being unpatentable over McKinzie '327 in view of US Published Application 2004/0075617 to Lynch et al. (hereinafter "Lynch"). Applicant respectfully traverses these rejections for the following reasons.

A finding of anticipation under 35 U.S.C. § 102 requires that each and every limitation of the rejected claim be disclosed (expressly or inherently) by a single prior art reference. (MPEP 2131 citing *Verdegall Bros. v. Union Oil Co. of California*, 814 F.2d 628, 631 (Fed. Cir. 1987). Furthermore, It is well established that *prima facie* obviousness is only established when three basic criteria are met. First, there must be some suggestion or motivation, either in the references themselves or in the knowledge generally available to one of ordinary skill in the art, to modify the reference or combine reference teachings. Second, there must be a reasonable expectation of success. Finally, the prior art reference (or references when combined) must teach or suggest all the claim limitations. *In re Vaack*, 947 F.2d 488 (Fed. Cir. 1991) (MPEP 2144).

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In the instant case, the Office Action relies solely on McKinzie '327 to disclose all of the features recited in Applicant's independent claims 1 and 12. Respectfully, it is submitted that McKinzie fails to disclose or suggest at least the following elements recited in both of Applicant's claims 1 and 12:

*a VHF aircraft antenna and a frequency selective surface structure (FSS) adjacent to the VHF antenna; OR*

*a dielectric material between the first conductive plate and the ground plane, wherein the first conductive plate is formed overlying a first surface of the dielectric material and the ground plane is formed overlying a second surface of the dielectric material; and a printed inductor overlying the first surface of the dielectric material and coupled to the conductive plate and the first conductive via.*

Applicant respectfully submits that McKinzie '327 actually teaches away from the foregoing limitations by disclosing that the FSS itself is an antenna and further that a "space layer" (e.g., elements 404, 508, 704a,b) should be included between the FSS and ground plane so that the gap between the FSS and ground plane is variable. While McKinzie '327 does disclose and embodiment at col. 9, ll. 15-18 (and Fig. 7) which indicates that a board stiffener 502 may be included between the FSS 504 and ground plane 506, and that the board stiffener may be made from a PCB material, there certainly is no teaching or suggestions that a printed inductor should be included whatsoever, nonetheless, over any surface of the dielectric. Because McKinzie fails to teach or suggest these features of Applicant's independent claims 1 and 12, McKinzie cannot anticipate these claims or any of Applicant's claims which depend therefrom.

Additionally, since Lynch also fails to teach or suggest the foregoing features, even when combining McKinzie '327 and Lynch as proposed in the Office Action, and without conceding to the properness of the combination, the features of Applicant's independent claims cannot possibly be disclosed or suggested by the combination of McKinzie '327 and Lynch. Since

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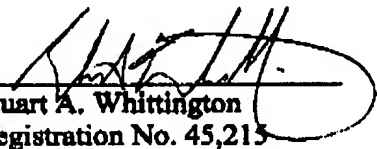
McKinzie '327 and Lynch, taken alone or in combination, fail to teach or suggest all the features recited in Applicant's independent claims 1 and 12, *prima facie* obviousness has not been established with respect to these claims or any claim which depends therefrom.

For all the foregoing reasons, Applicant respectfully requests that the 102 and 103 rejection of record be reconsidered and withdrawn.

**CONCLUSION.**

In view of the above, reconsideration and allowance of this application is now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below. Applicant hereby petitions for any extension of time which may be required to maintain the pendency of this case, and any required fee or deficiency thereof, except for the Issue Fee, is to be charged to **Deposit Account # 50-0221.**

Respectfully submitted,

  
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